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NEWS 2 Apr 08 "Ask CAS" for self-help around the clock

NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area

NEWS 4 Apr 09 ZDB will be removed from STN

NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB

NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS

NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER

NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available

NEWS 9 Jun 03 New e-mail delivery for search results now available

NEWS 10 Jun 10 MEDLINE Reload

NEWS 11 Jun 10 PCTFULL has been reloaded

NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment

NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid

NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY

NEWS 15 Jul 30 NETFIRST to be removed from STN

NEWS 16 Aug 08 CANCERLIT reload

NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN

NEWS 18 Aug 08 NTIS has been reloaded and enhanced

NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN

NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded

NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded

NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced

NEWS 23 Sep 03 JAPIO has been reloaded and enhanced

NEWS 24 Sep 16 Experimental properties added to the REGISTRY file

NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS

NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA

NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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=> s apoplastic(w) invertase(w) inhibitor
L1 6 APOPLASMIC(W) INVERTASE(W) INHIBITOR

=> duplicate remove 11
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L1
L2 2 DUPLICATE REMOVE L1 (4 DUPLICATES REMOVED)

=> d 12 1-2

L2 ANSWER 1 OF 2 AGRICOLA DUPLICATE 1
AN 1998:77788 AGRICOLA
DN IND21644797
TI Cloning of a tobacco **apoplastic invertase inhibitor**. Proof of function of the recombinant protein and expression analysis during plant development.
AU Greiner, S.; Krausgrill, S.; Rausch, T.
CS Botanisches Institut, Heidelberg, Germany.
AV DNAL (450 P692)
SO Plant physiology, Feb 1998. Vol. 116, No. 2. p. 733-742
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L2 ANSWER 2 OF 2 AGRICOLA DUPLICATE 2
AN 1998:61574 AGRICOLA
DN IND21239782
TI In transformed tobacco cells the **apoplastic invertase inhibitor** operates as a regulatory switch of cell wall invertase.
AU Krausgrill, S.; Greiner, S.; Koster, U.; Vogel, R.; Rausch, T.
AV DNAL (QK710.P68)
SO The Plant journal : for cell and molecular biology, Jan 1998. Vol. 13, No.
2. p. 275-280
Publisher: Oxford : Blackwell Sciences Ltd.
ISSN: 0960-7412
NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

=> s invertase(w) inhibitor
L3 126 INVERTASE(W) INHIBITOR

=> s invertase(w) inhibitor and cell(w)wall
L4 24 INVERTASE(W) INHIBITOR AND CELL(W) WALL

=> s 14 and plant
L5 20 L4 AND PLANT

=> duplicate remove 15
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, EMBASE, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 10 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)

=> d 16 1-10

L6 ANSWER 1 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 2002138033 EMBASE
TI An invertase inhibitory protein from *Pteris deflexa* link fronds.
AU Sayago J.E.; Vattuone M.A.; Sampietro A.R.; Isla M.I.
CS Dr. M.A. Vattuone, Catedra de Fitoquimica, Instituto de Estudios Vegetales, Universidad Nacional Tucuman, Ayacucho 461, 4000 San Miguel de Tucuman, Argentina. *fitoqui@unt.edu.ar*
SO Journal of Enzyme Inhibition, (2001) 16/6 (517-525).
Refs: 38
ISSN: 8755-5093 CODEN: ENINEG
CY United Kingdom
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L6 ANSWER 2 OF 10 AGRICOLA DUPPLICATE 2
AN 2000:73165 AGRICOLA
DN IND22074018
TI Plant invertase inhibitors: expression in cell culture and during plant development.
AU Greiner, S.; Koster, U.; Lauer, K.; Rosenkranz, H.; Vogel, R.; Rausch, T.
AV DNAL (QK710.A9)
SO Australian journal of plant physiology, 2000. Vol. 27, No. 8/9. p. 807-814
Publisher: Collingwood, Vic. : CSIRO Publishing.
CODEN: AJPPCH; ISSN: 0310-7841
Gov. Source: Federal
NTE In the special issue: Assimilate transport and partitioning 2 / edited by L.W. Martinelli. Paper presented at a conference held August 1999, Newcastle, New South Wales, Australia.
Includes references
CY Australia
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L6 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS
AN 2000:813688 CAPLUS
DN 134:111906
TI Invertase proteinaceous inhibitor of *Cyphomandra betacea* Sendt fruits
AU Ordonez, R. M.; Isla, M. I.; Vattuone, M. A.; Sampietro, A. R.
CS Catedra de Fitoquimica, Instituto de Estudios Vegetales "Dr. Antonio R. Sampietro", Facultad de Bioquimica, Quimica y Farmacia, Universidad Nacional de Tucuman, San Miguel de Tucuman, 4000, Argent.
SO Journal of Enzyme Inhibition (2000), 15(6), 583-596
CODEN: ENINEG; ISSN: 8755-5093
PB Harwood Academic Publishers
DT Journal
LA English
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 1999237246 EMBASE
 TI Ectopic expression of a tobacco invertase inhibitor
 homolog prevents cold-induced sweetening of potato tubers.
 AU Greiner S.; Rausch T.; Sonnewald U.; Herbers K.
 CS T. Rausch, Botanisches Institut, INF 360, D-69120-Heidelberg, Germany.
 SO Nature Biotechnology, (1999) 17/7 (708-711).
 Refs: 20
 ISSN: 1087-0156 CODEN: NABIF
 CY United States
 DT Journal; Article
 FS 029 Clinical Biochemistry
 LA English
 SL English

L6 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS

AN 1998:106035 CAPLUS
 DN 128:177571
 TI Endogenous inhibitor of invertases of tobacco and tomato and their use in
 the control of carbohydrate loss from vegetables in storage
 IN Rausch, Thomas; Krausgrill, Silke; Greiner, Steffen
 PA Universitat Heidelberg, Germany; Rausch, Thomas; Krausgrill, Silke;
 Greiner, Steffen
 SO PCT Int. Appl., 42 pp.
 CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------------------------------------------------------------------------------|------|----------|------------------|----------|
| PI | WO 9804722 | A1 | 19980205 | WO 1997-EP4153 | 19970730 |
| | W: CA, JP, US
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | DE 19630738 | A1 | 19980205 | DE 1996-19630738 | 19960730 |
| | EP 956357 | A1 | 19991117 | EP 1997-935555 | 19970730 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE
JP 2000515755 | | | JP 1998-508521 | 19970730 |
| | US 6384300 | T2 | 20001128 | | |
| | US 6384300 | B1 | 20020507 | US 1999-230670 | 19990405 |
| PRAI | DE 1996-19630738 | A | 19960730 | | |
| | DE 1996-19641302 | A | 19961007 | | |
| | WO 1997-EP4153 | W | 19970730 | | |

DUPLICATE 3

L6 ANSWER 6 OF 10 AGRICOLA
 AN 1998:77788 AGRICOLA
 DN IND21644797
 TI Cloning of a tobacco apoplastic invertase inhibitor.
 Proof of function of the recombinant protein and expression analysis
 during plant development.
 AU Greiner, S.; Krausgrill, S.; Rausch, T.
 CS Botanisches Institut, Heidelberg, Germany.
 AV DNAL (450 P692)
 SO Plant physiology, Feb 1998. Vol. 116, No. 2. p. 733-742
 Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
 CODEN: PLPHAY; ISSN: 0032-0889
 NTE Includes references
 CY Maryland; United States
 DT Article; Conference
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

DUPLICATE 4

L6 ANSWER 7 OF 10 AGRICOLA
 AN 1998:61574 AGRICOLA
 DN IND21239782
 TI In transformed tobacco cells the apoplastic invertase

inhibitor operates as a regulatory switch of cell wall invertase.

AU Krausgrill, S.; Greiner, S.; Koster, U.; Vogel, R.; Rausch, T.
AV DNAL (QK710.P68)
SO The Plant journal : for cell and molecular biology, Jan 1998. Vol. 13, No. 2. p. 275-280
Publisher: Oxford : Blackwell Sciences Ltd.
ISSN: 0960-7412

NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L6 ANSWER 8 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:380695 BIOSIS
DN PREV199799679898
TI Cloning of a novel class of cell wall invertase binding proteins: Invertase inhibitors or regulatory subunits.
AU Greiner, S. (1); Krausgrill, S. (1); Herbers, K.; Sonnewald, U.; Rausch, T. (1)
CS (1) Bot. Inst., INF 360, D-69120 Heidelberg Germany
SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 82. Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American Society of Plant Physiologists and the Canadian Society of Plant Physiologists, Japanese Society of Plant Physiologists and the Australian Society of Plant Physiologists Vancouver, British Columbia, Canada August 2-6, 1997
ISSN: 0032-0889.
DT Conference; Abstract; Conference
LA English

L6 ANSWER 9 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 5
AN 1996:274562 BIOSIS
DN PREV199698830691
TI Sucrose protects cell wall invertase but not vacuolar invertase against proteinaceous inhibitors.
AU Sander, Andreas; Krausgrill, Silke; Greiner, Steffen; Weil, Marion; Rausch, Thomas (1)
CS (1) Bot. Inst., Ruprecht-Karls-Univ., Im Neuenheimer Feld 360, D-69120 Heidelberg Germany
SO FEBS Letters, (1996) Vol. 385, No. 3, pp. 171-175.
ISSN: 0014-5793.
DT Article
LA English

L6 ANSWER 10 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 6
AN 1988:8937 BIOSIS
DN BA85:8937
TI ENDOGENOUS INHIBITOR OF INVERTASE IN SUGAR BEET ROOT ONTOGENY.
AU BURAKHANOVA E A; DUBININA I M; KUDRYAVTSEVA L F
CS K.A. TIMIRYAZEV INST. PLANT PHYSIOL., ACAD. SCI. USSR, MOSCOW, USSR.
SO FIZIOL RAST (MOSC), (1987) 34 (2), 292-300.
CODEN: FZRSBV. ISSN: 0015-3303.
FS BA; OLD
LA Russian

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